IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in

the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1 – 52. (Canceled)

53. (Currently Amended) A recording apparatus for recording moving picture

data, comprising:

encoding means for encoding moving picture data using a predictive encoding

system;

designation information supplying means for supplying information designating a

decoding starting picture and a display starting picture in said moving picture data for each of a

plurality of programs, and for supplying information designating a decoding terminating picture

and a display terminating picture in said moving picture data for each of a plurality of programs;

and

recording means for recording moving picture data encoded by said encoding

means and the designating information supplied by said designation information supplying

means,

wherein an additional recording can be designated by said information supplied

by the designation information supplying means responsive to a user input.

54. (Previously Presented) The recording apparatus according to claim 53, wherein said encoding means encodes as information a position of a leading data byte of said decoding starting picture in an encoding data file of moving pictures, said position information being used in a reproducing unit of the moving picture data.

55. (Previously Presented) The recording apparatus according to claim 53, wherein said encoding means encodes as information a display start time point of the display starting picture, said display information being used in a reproducing unit of the moving picture data.

56. (Previously Presented) The recording apparatus according to claim 53, wherein said encoding means encodes as information a position of the last data byte of said decoding terminating picture to an encoding data file of moving pictures, said position information being used in a reproducing unit of the moving picture data.

57. (Previously Presented) The recording apparatus according to claim 53, wherein said encoding means encodes as information a display termination time point of the display terminating picture, said display information being used in a reproducing unit of the moving picture data.

58. (Previously Presented) The recording apparatus according to claim 53, wherein said encoding means encodes as information a display start time point of said display

terminating picture, said display information being used in a reproducing unit of the moving

picture data.

59. (Currently Amended) A recording method for recording moving picture data,

comprising the steps of:

encoding moving picture data using a predictive encoding system;

supplying information designating a decoding starting picture and a display

starting picture in said moving picture data for each of a plurality of programs, and for supplying

information designating a decoding terminating picture and a display terminating picture in said

moving picture data for each of a plurality of programs; and

recording encoded moving picture data and the supplied designating information,

designating an additional recording by said information supplied by said

supplying step responsive to a user input.

60. (Previously Presented) The recording method according to claim 59, further

comprising the step of:

encoding as information a position of a leading data byte of said decoding starting

picture in an encoding data file of moving pictures, said position information being used in a

reproducing unit of the moving picture data.

61. (Previously Presented) The recording method according to claim 59, further

comprising the step of:

encoding as information a display start time point of the display starting picture,

said display information being used in a reproducing unit of the moving picture data.

62. (Previously Presented) The recording method according to claim 59, further

comprising the step of:

encoding as information a position of a last data byte of the decoding terminating

picture in an encoding data file of moving pictures, said position information being used in a

reproducing unit of the moving picture data.

63. (Previously Presented) The recording method according to claim 59, further

comprising the step of:

encoding as information a display termination time point of the display

terminating picture, said display information being used in a reproducing unit of the moving

picture data.

64. (Previously Presented) The recording method according to claim 59, further

comprising the step of:

encoding as information a display start time point of the display terminating

picture, said display information being used in a reproducing unit of the moving picture data.

65. (Currently Amended) A recording medium on which there are recorded

information designating a decoding starting picture and a display starting picture in moving

picture data for each of a plurality of programs, and information designating a decoding

terminating picture and a display terminating picture in said moving picture data for each of a plurality of programs along with encoded data of moving pictures encoded using a predictive encoding system,

wherein said recorded information designates a reproducing route, and

wherein said recorded information designates an additional reproducing route responsive to a user input.

66. (Previously Presented) The recording medium according to claim 65, wherein a position of a leading data byte of the decoding starting picture in an encoding data file of moving pictures is recorded thereon and is used in a reproducing unit of the moving picture data.

67. (Previously Presented) The recording medium according to claim 65, wherein a display start time point of the display starting picture is recorded thereon and is used in a reproducing unit of the moving picture data.

68. (Previously Presented) The recording medium according to claim 65, wherein a position of the last data bye of the decoding terminating picture in an encoding data file of moving pictures is recorded thereon and is used in a reproducing unit of the moving picture data.

69. (Previously Presented) The recording medium according to claim 65, wherein a display termination time point of the display terminating picture is recorded thereon and is used in a reproducing unit of the moving picture data.

70. (Previously Presented) The recording medium according to claim 65, wherein

a display start time point of the display terminating picture is recorded thereon and is used in a

reproducing unit of the moving picture data.